tyco Electronics

SMD Professional Trimmers

Type 3270 Series

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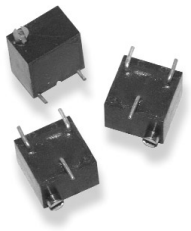


This is the surface mount version of the popular Tyco 4270. Top adjust and low profile side adjust versions are available in special high temperature resistant packages. This multi-turn device offers good setability, infinite resolution and the other specification features typical of conventional trimmers yet now suitable for s.m. applications.

Key Features

- Stable, Infinite Resolution Element
- High Temperature Construction
- 0.25 Watt Power Rating at 85°C
- Low Temperature Coefficient: ± 100ppm/°C
- Vertical and Low Profile Adjust Style
- Sealed to Withstand Dip and Wave Solder
- Packaged in Plastic Tubes

Characteristics - Electrical

Resistance Range:	10R to 1M
Resistance Tolerance:	± 10% standard (closer tolerance available)
Absolute Minimum Resistance:	1% or 2 ohms maximum
Contact Resistance Variation:	3.0% or 3 ohms (whichever is greater)
Adjustability:	Voltage ± 0.02% : Resistance ± 0.05%
Resolution:	Infinite
Insulation Resistance:	500 VDC, 1000M minimum
Dielectric Strength:	Sea level 600 VAC 80,000 feet 250 VAC
Electrical Travel:	12 turns nominal

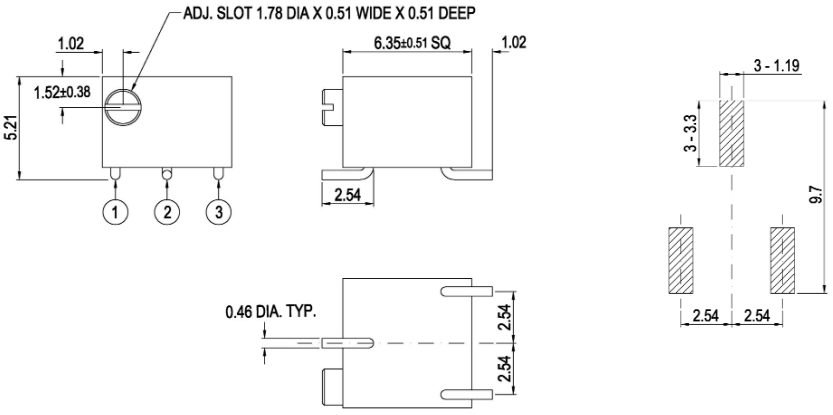
Characteristics - Mechanical

Torque:	21 mNm maximum
Mechanical Stops:	Wiper idles
Terminals:	Solderable pins
Weight:	0.4 gram maximum
Mechanical Travel:	16 turns nominal

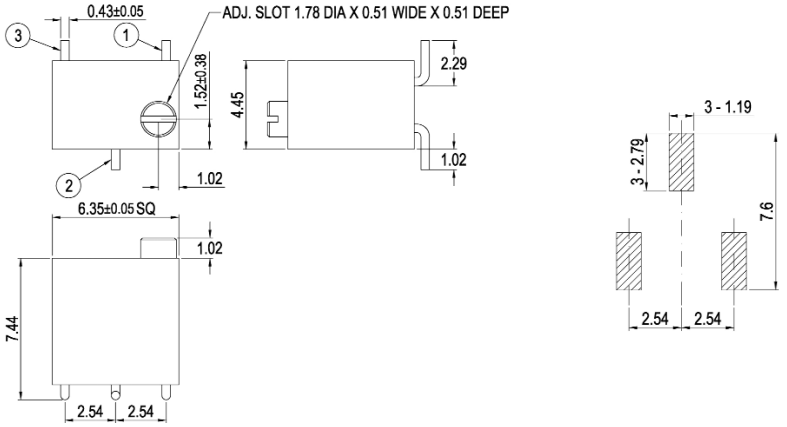
Characteristics - Environmental

Maximum Exposure Temperature/Time:	+245°C 10 seconds
Power Rating (300 Volts maximum):	0.25 Watt at 85°C derating to zero at 150°C
Temperature Range:	-65°C to 150°C
Temperature Coefficient of Resistance:	± 100ppm/°C maximum
Seal Test:	85°C fluorinert
Humidity:	MIL STD 202 method 106 (2% ΔTR, IR 100 MW minimum)
Vibration:	30G (1% ΔTR % ΔVR)
Shock:	100G (1% ΔTR % ΔVR)
Load Life:	ΔR 3% (1000 hours, 0.25 Watts at 85°C)
Mechanical Life:	200 cycles

Dimensions - 3270P



3270W



The 3270W is supplied in tubes of 50 pieces

How to Order

3270	P	104	K
Common Part	**Orientation**	**Resistance Value**	**Tolerance**
3270 - 6mm Multiturn Trimmer	P - Low Profile Side Adjust W - Top Adjust	The first two digits are significant figures of resistance value and the third denotes the number of zeros following. e.g. 1K: 102 10K: 103 100K: 104	K - 10 %